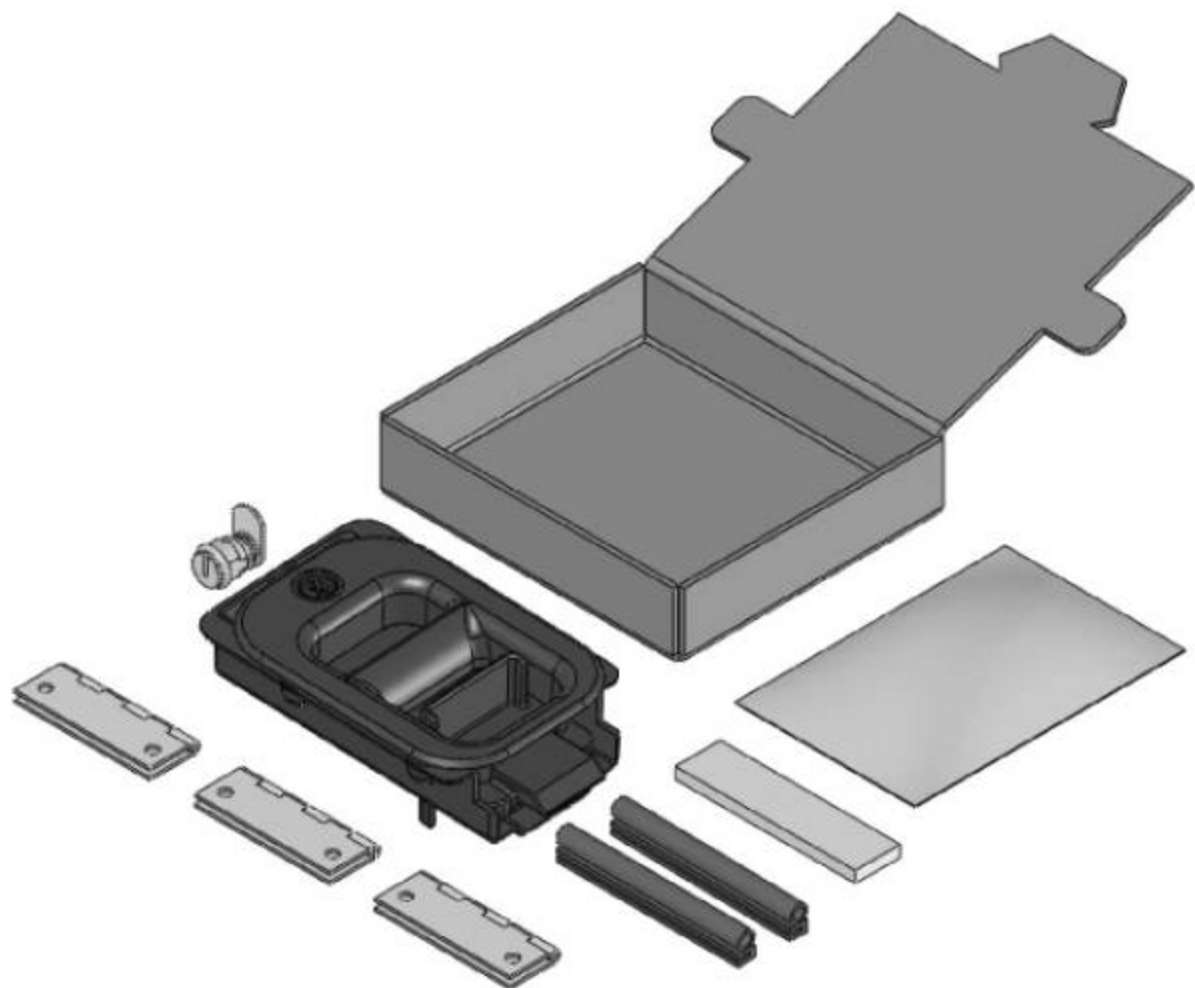


## Assembly and Installation Instructions for PDK2



For use with all Sprinter Van Partitions

ECN-13456 DATE: 11-04-2010 DWG.BY: BTS REV.BY: \_\_\_\_\_ CHK.BY: \_\_\_\_\_ ISSUE: A P.N: 40076

## PARTITION DOOR KIT PDK2

### BEFORE YOU START!

IMPORTANT INSTALLATION STEPS ARE DENOTED USING A STOP SIGN. THESE STEPS MUST BE PERFORMED AS SPECIFIED IN ORDER TO ENSURE A PROPER INSTALLATION AND MUST BE FOLLOWED IN ORDER TO MAINTAIN YOUR PRODUCT WARRANTY!



CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIRONMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

#2 PHILLIPS & FLAT SCREWDRIVERS	TAPE MEASURE, 3/8" OPEN END, AND ADJUSTABLE WRENCH
INCH POUND CALIBRATED TORQUE WRENCH	3/8" SOCKET SET FOR TORQUE WRENCH

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



### WARNING



THE USE OF DRILLS WITH INTEGRAL DRILL STOPS ALONG WITH PROPER INSPECTION FOR GAS TANK, GAS LINES, BRAKE LINES AND ELECTRICAL LINES PRIOR TO DRILLING ANY MOUNTING HOLES IS STRONGLY RECOMMENDED TO ENSURE THAT VEHICLE DAMAGE IS AVOIDED!





THE USE OF NON-STANDARD FASTENERS AND/OR DEVIATING FROM THE FASTENERS SPECIFIED IN THE INSTRUCTION (S) MAY VOID YOUR PRODUCT WARRANTY!

ALL DRILLED HOLES IN THE VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE!

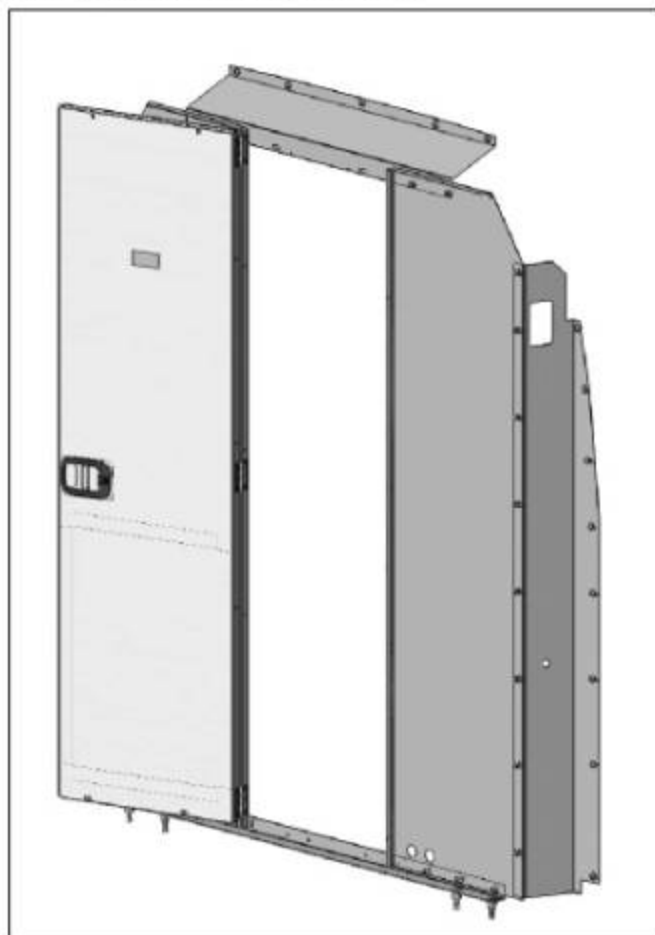
## PARTITION DOOR KIT PDK2

### STEP - 01

### Attach Hinges on Street Side "S1/S2" Partition Panel

<p><b>04495-0</b> Hinge Qty = 3</p>	 <b>FAS0013</b> Nut, Hex Flange, #8-32 x 3/8 UNC Qty = 12 Torque Specifications <u>24 in-lbs +/- 3 in-lbs</u>	 <b>FAS0002</b> Screw, Flat Head, #8-32UNC x 1/2" Qty = 12 Torque Specifications <u>24 in-lbs +/- 3 in-lbs</u>
---	--	---

Attach upper, middle, and lower Hinges to the Partition S1/S2 panel and the Partition M1/M2 panel with (12) #8-32UNC x 1/2" Flat Head Screws, and (12) #8-32UNC Hex Flange Nuts. Leave all fasteners finger tight at this time. Square up the door hinges relative to the S1/S2 and M1/M2 partition panels. Torque to nuts to specified torque listed above and check door for proper swing operation before proceeding.



## PARTITION DOOR KIT PDK2

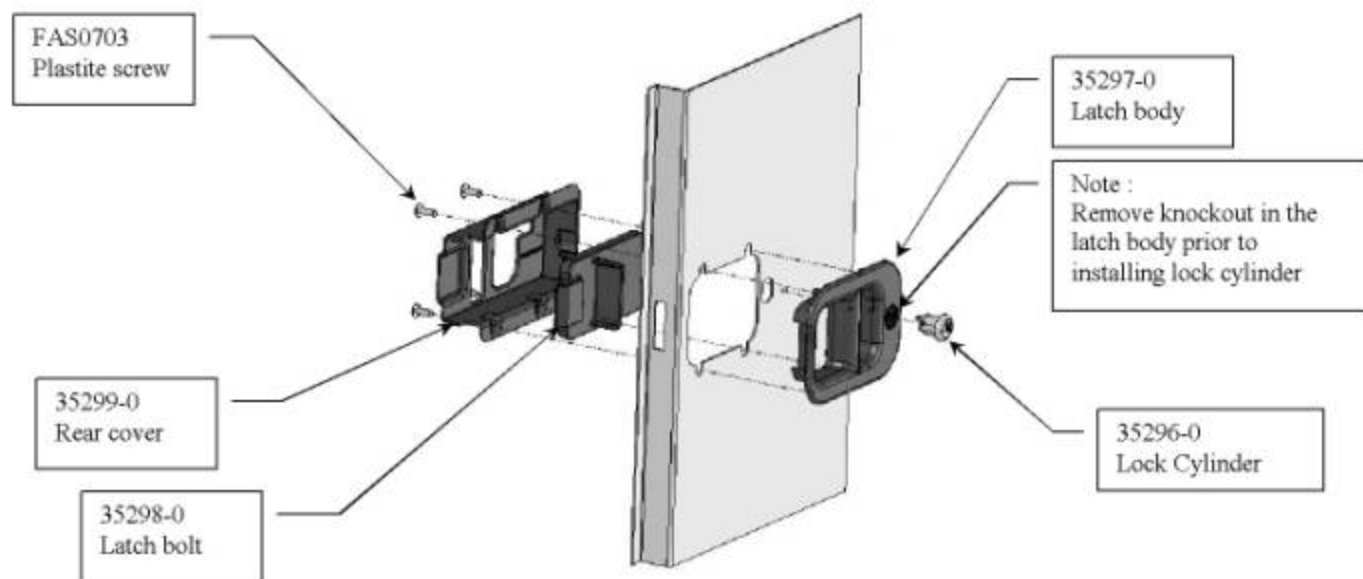
### STEP - 02

### Slam Latch Installation on Door Panel

 <p><b>35297-0</b> Latch Body Qty = 1</p>	 <p><b>35298-0</b> Latch Bolt Qty = 1</p>	 <p><b>35299-0</b> Rear Cover Qty = 1</p>	 <p><b>FAS0703</b> Plastite screw Qty = 4 20 in-lbs +/- 2 in-lbs</p>	 <p><b>35296-0</b> Lock Cylinder Qty = 1</p>
--	--	--	--	---

Remove the two Knockout pieces in the Door Panel. Use a Flat bladed screwdriver, start at one side, and gently pry knockouts loose.

Remove contents from vendor supplied bag; position Slam Latch in door panel as shown below. Secure the latch to the door panel with the supplied screws identified above and in figure below.

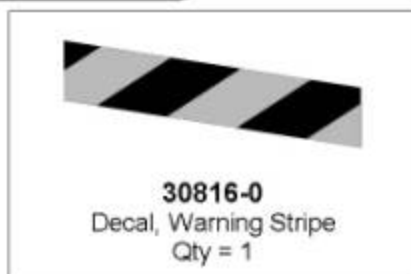


If door is to be a "Locking Door", add Lock Cylinder through Slam Latch Body in door panel (Knock-Out may need to be removed). Secure the lock to the door panel with the supplied jamb nut. Position Latch Pawl to engage the slide stop on Slam Bolt. Tighten Phillips screw in Lock Cylinder. Test. Stow Keys.

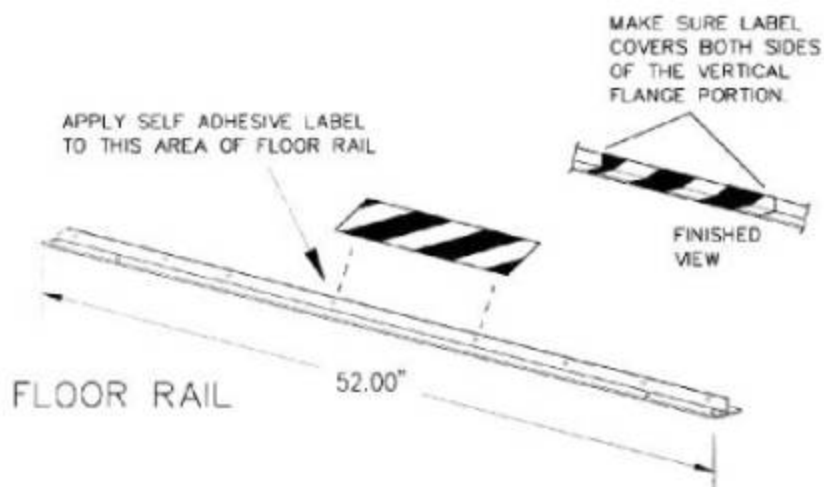
## PARTITION DOOR KIT PDK2

### STEP - 03

### Attach Caution Stripe to Partition Mount Rail (at floor)



Remove paper backing from Decal, apply directly to the floor rail as shown.



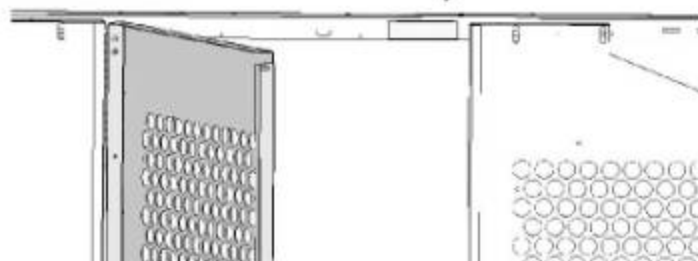
### STEP - 04

### Attach Foam Tape to Partition Header Rail



Start with a short section (approximately 4") of Foam Tape, cut from piece supplied. Remove backing from Strip, and apply to Header Rail face, near the top edge, and near the end of the door swing. Close door to make sure door touches the foam strip.

Foam Tape applied to bottom edge of partition upper header.



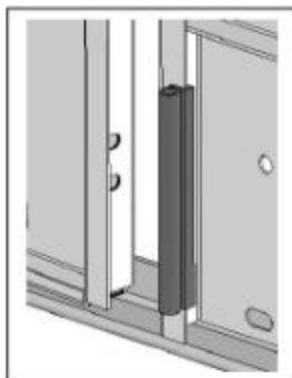
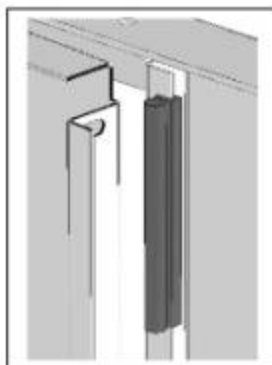
## PARTITION DOOR KIT PDK2

### STEP – 05

### Attach Door Edge Trim to Curb Panel



Slide the Door Edge Seal (4" lg) over the lip of the C1/C2 partition panel as shown below. Make sure the bulb of the edge seal is facing outward such that it contacts the M1/M2 door panel when door is in the closed and latched position.



**STOP**

**DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE  
SURE THAT ALL FASTENERS ARE TIGHTENED TO  
SPECIFICATIONS!**

**STOP**

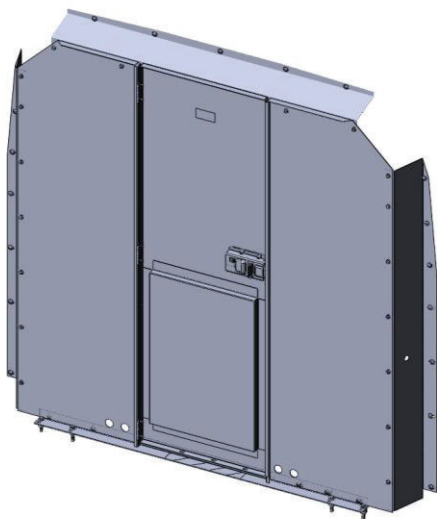
**YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE VEHICLE  
FOR FUTURE REFERENCE!**



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VAN AND PICKUP EQUIPMENT

**2007 SPRINTER, STD & HIGH ROOF**

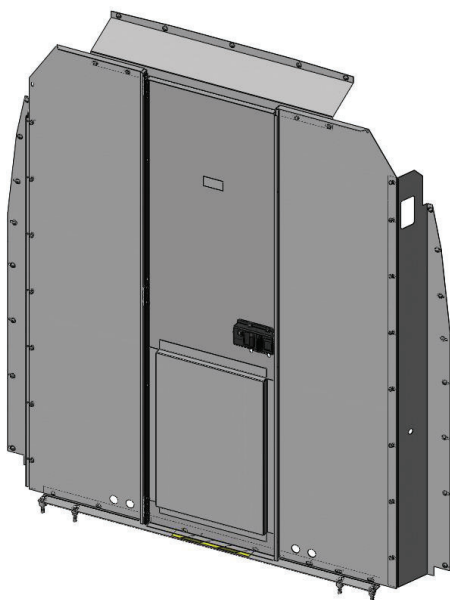
# **S-M-C Partition Panel Assembly and Installation**



**S1M2HC2SPS**

## **2007 SPRINTER STANDARD ROOF S-M-C Styles**

S1M1C1SPS	S1M1HC1SPS
S1M2C1SPS	S1M2HC1SPS
S1M2C2SPS	S1M2HC2SPS
S2M2C2SPS	S2M2HC2SPS



**S1M2HC2SPH**

## **2007 SPRINTER HIGH ROOF S-M-C Styles**

S1M1C1SPH	S1M1HC1SPH
S1M2C1SPH	S1M2HC1SPH
S1M2C2SPH	S1M2HC2SPH
S2M2C2SPH	S2M2HC2SPH



## BEFORE YOU START!

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CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIRONMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

#3 PHILLIPS SCREWDRIVER	9/16" OPEN END WRENCH FOR SETTING PLUSNUTS, DRILL MOTOR, 1/2" DRILL BIT WITH 1/2" DEEP STOP
7/16" OPEN END WRENCH	RATCHET WRENCH, WITH 7/16" & 1/2" SOCKET

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



## WARNING



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ALL DRILLED HOLES IN THE VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE!







**TO PREVENT EXHAUST FUMES FROM ENTERING THE VEHICLE,  
ALL HOLES SHOULD BE SEALED AT INSTALLATION WITH  
BUTYL OR SILICON SEALANT MATERIAL.**



Whenever a plusnut is specified it is important that the proper size installation hole is provided.

PLUSNUT SIZE		DRILL SIZE <i>(with stop)</i>
1/4-20 PLUSNUT, FAS0052		3/8" DIAMETER
5/16-18 PLUSNUT, FAS0091		1/2" DIAMETER

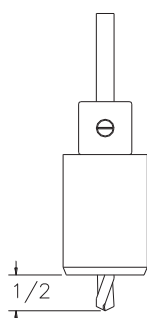
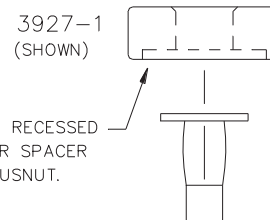
## FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

Position each item in desired location inside the vehicle and mark the floor mounting locations.

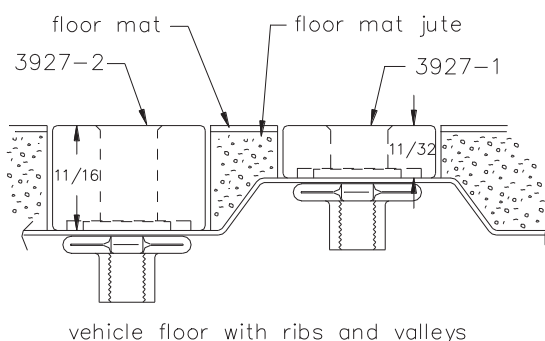
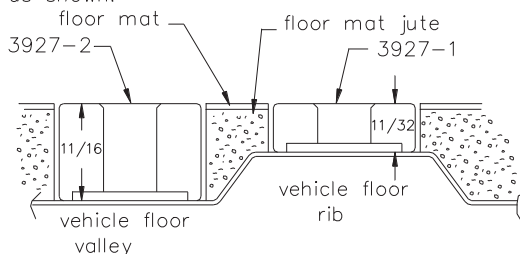
It is recommended that a drilling template be used to ensure an accurate placement of components is achieved for this installation.

Using the cutting tool, drill a pilot hole thru the mat/carpet and metal floor pan.

### Spacer Use and Installation



Placing the properly sized spacer on top of the vehicle floor pan will make your Adrian interior level, square, and sound. The view below shows the proper sized spacer for the different heights of the vehicle floor. Make sure to place the spacers with the plusnut relief surface down as shown.



The location of various floor mounts will determine what spacer combination will be used. For example, an 11/32" spacer is used atop floor ribs, and an 11/16" high spacer is used atop floor valleys.







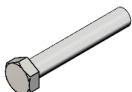
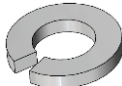
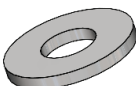
**THE PROPER USE OF SPACERS IS REQUIRED WHEN MOUNTING  
OVER MAT/CARPET TO ENSURE THE METAL-TO-METAL CLAMP-  
UP, WHICH WILL PREVENT UNWANTED COMPONENT SHIFTING  
AND POTENTIAL FAILURE DURING USE.**



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VAN AND PICKUP EQUIPMENT

**2007 SPRINTER, STD & HIGH ROOF****STEP – 01****VEHICLE PREPARATION:****FLOOR RAIL PLUSNUT MOUNTING LOCATIONS**

 <b>03927-1</b> 11/32 C/F 1006 SPACER (2) included	 <b>03927-2</b> 11/16 C/F 1006 SPACER (2) included	 <b>FAS0091</b> 5/16" PLUSNUT (4) REQUIRED	 <b>22200-0</b> PLUSNUT TOOL	<b>NOTE: PLUSNUT TOOL NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL OR USE INSTALLATION TOOLKIT 31291-0</b>
	 <b>FAS0095</b> SCREW, HEX HD, 5/16"-18 X2" (4 REQUIRED)	 <b>FAS0098</b> WASHER, LOCK, SPLIT 5/16" ID (4 REQUIRED)	 <b>FAS0086</b> WASHER, FLAT, 5/16" ID (4 REQUIRED)	

If you have a Partition Floor Jig place it into the van following the instruction decals on template.

**33960-0 FLOOR MOUNT RAIL BRACKET TEMPLATE  
(1) REQUIRED**

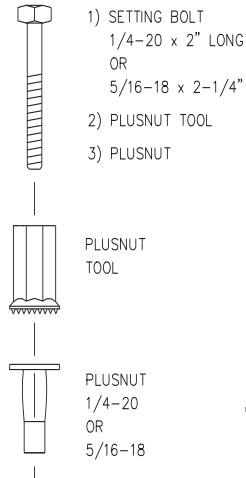
**NOTE: If you do not have drilling template, assemble partition completely and place in installed position and mark holes remove partition**

Using 1/2" drill bit with drill stop, drill holes at the marks you made in the van floor.

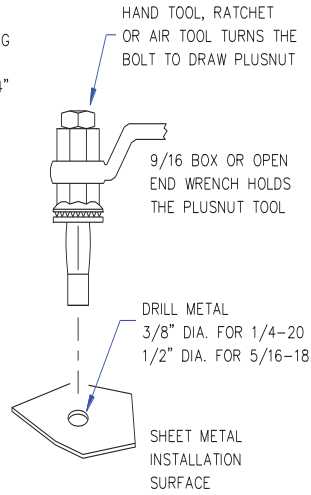
Clean up debris from drilling and Install a 5/16" plus nut into each hole along with a lock and flat washer, and set the plusnut as shown in illustration in the following page.



ASSEMBLE THE  
FOLLOWING



SETTING THE  
PLUSNUT





## 2007 SPRINTER HIGH ROOF B-PILLAR MODIFICATIONS:

**NOTE:** On 2019 and newer Sprinter models, the B-Pillar trim will need to be modified by removing the rear portion on both sides of the van. This will allow access to sheet metal underneath the trim and a stable mounting point for the wing kits of the partition.

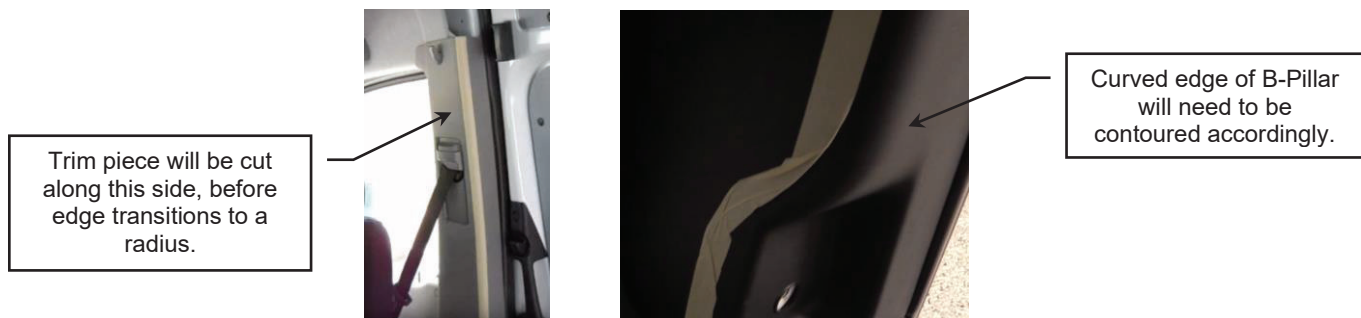
See YouTube videos for process instructions:

<https://vimeo.com/390504035/4b1156f73a>

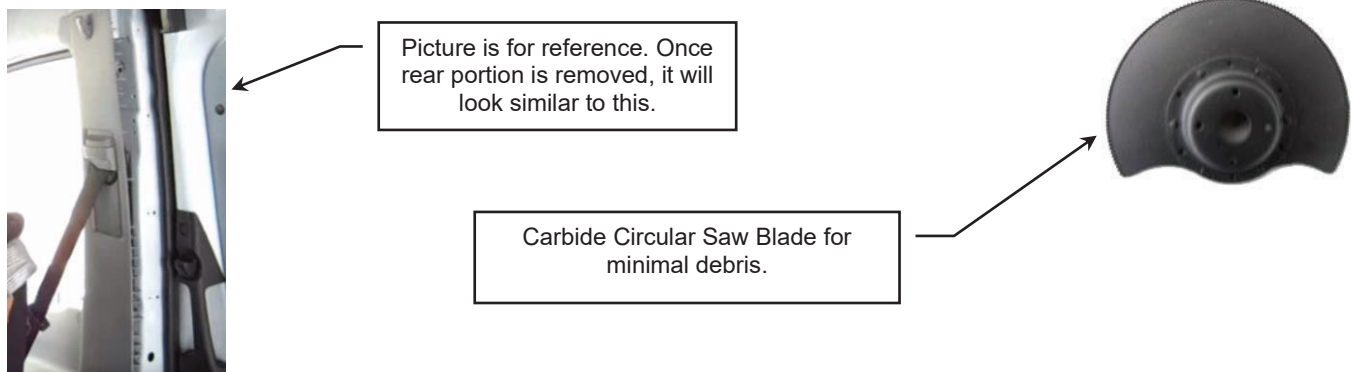


**Step 01:** Remove D-Rings located at the bottom of the B-Pillar using a power drill and a torque bit. These will not be needed when installing a steel partition.

**Step 02:** Using masking tape, create a cutting line ensuring one side of the tape is along the edge before it transitions to a radius. Tape will contour and follow the radius all the way down the B-Pillar.



**Step 03:** Cut along tape using a high speed oscillating tool. It is recommended using a circular saw blade for minimal debris. After cut is made, the rear portion of the B-Pillar can easily be removed.








**Step 04:** Using a box cutter or deburring tool, cut away the excess plastic pieces and use a vacuum to clean them from the floor of the van. It is important the plastic debris is **never** cleaned with an air hose, this could lead to plastic lodged into the seatbelt mechanism and cause safety issues.

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VAN AND PICKUP EQUIPMENT

## 2007 SPRINTER, STD & HIGH ROOF

**STEP – 02****VEHICLE PREP: (STANDARD and/or HIGH) HEADER PANEL**

 <b>323951-0</b> HEADER PANEL, 07SPR, STD	 <b>33982-0</b> HEADER PANEL, 07SPR, HIGH	 FAS0041 SCREW, TRUSS HD, PHILLIPS, #14-10 X 3/4" (5) req'd	 FAS0066 WASHER, LOCK, EXT TOOTH, 1/4" ID (5) req'd	 FAS0067 WASHER, FLAT, 1/4" ID (5) req'd
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Attach the standard (32951-0) or the high (33982-0) header panel depending on your van roof height to the backside of the van roof bow just aft of the driver/passenger seating location. Use (5) sheet metal screws utilizing the existing holes in the vans' roof bow.

Important: Do Not fully tighten fasteners at this point! These will be tightened during final installation of the assembled partition into the 2007 Sprinter Van.

CENTER SLOT ON HEADER PNL  
ALIGNS WITH THE CENTER  
HOLE IN VEHICLE ROOF BOW

07SPRINTER ROOF BOW  
JUST AFT OF  
DRIVER/PASSENGER  
SEATING LOCATION

32951-0 SHOWN IN  
PHOTOGRAPH



FAS0067 (5) PL

FAS0041 (5) PL









FAS0066 (5) PL

CENTER SLOT ON  
HEADER PNL ALIGNS  
WITH THE CENTER  
HOLE IN VEHICLE  
ROOF BOW









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VAN AND PICKUP EQUIPMENT



**2007 SPRINTER, STD & HIGH ROOF****STEP – 03****SMC 2007 Sprinter Partition Assembly****SMC 2007 Sprinter Standard Roof Partition Parts List**

			
<b>27530-0</b> S1 Panel Sprinter	<b>27531-0</b> S2 Panel Sprinter	<b>27532-0</b> M1 Panel Assy Sprinter	<b>27533-0</b> M2 Panel Assy Sprinter
			
<b>27534-0</b> C1 Panel Sprinter	<b>27534-0</b> C2 Panel Sprinter	<b>33949-0</b> Std Street Side Wing Panel	<b>33950-0</b> Std Curb Side Wing Panel

**SMC 2007 Sprinter High Roof Partition Parts List**

			
<b>33978-G</b> S1 Panel, 07Spr, High	<b>33979-G</b> S2 Pane, 07Spr, High	<b>33985-0</b> M1 Panel Assy 07Spr, High	<b>33983-0</b> M2 Panel Assy, 07Spr, High
			
<b>33980-G</b> C1 Panel, 07Spr, High	<b>33981-G</b> C2 Panel, 07Spr, High	<b>33976-0</b> Wing, Street, 07Spr, High	<b>33977-0</b> Wing, Curb, 07Spr, High

**SMC 2007 Sprinter Partition Common Parts List**

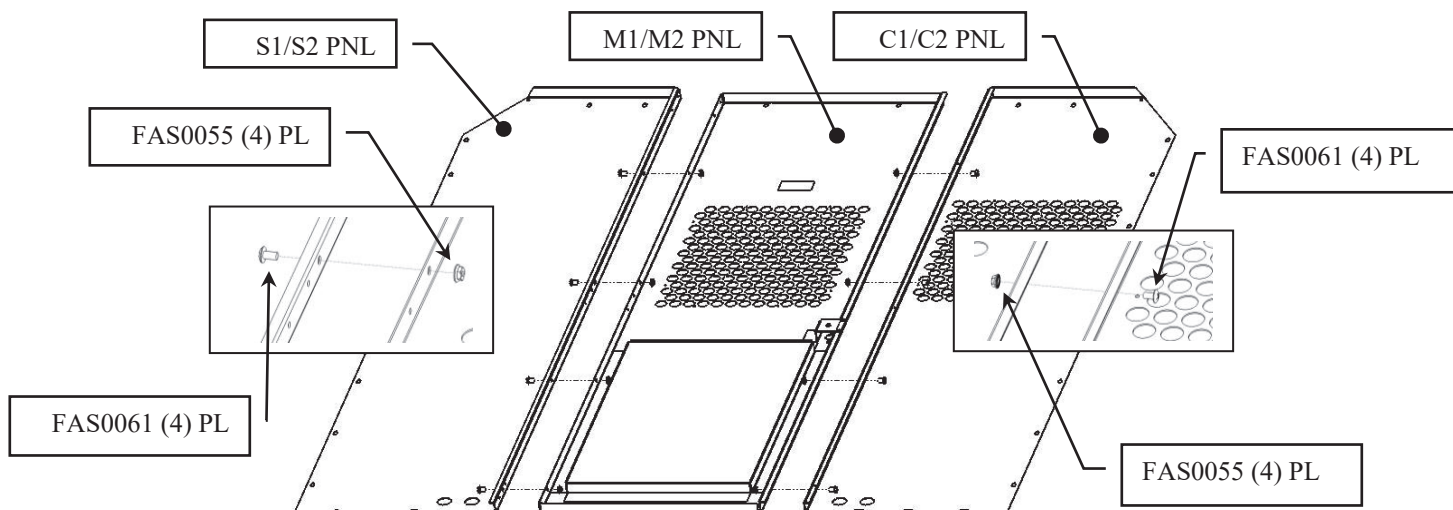
		
<b>36986-G</b> Footer Rail, Partition	<b>FAS0055</b> Nut, Hex Flange Hd, 1/4-20UNC 15 req'd (8) FT-LBS Torque	<b>FAS0061</b> Screw, Truss Hd Phillips, G5. 14-20UNC x 1/2" lg 15 req'd (8) FT-LBS Torque



Upon receipt of your order, check for hidden damage. Use the illustrations above to be sure you have all the parts needed to proceed with this step. Contact ADRIAN STEEL if you find shortages.

### SMC WITH NO DOOR

Attach the appropriate “S” panel (Street Side Panel) and “C” panel (Curb Side Panel) to the (M) panel (Middle Fixed Panel) as shown in the figure below. Do not attach the header panel at this time. It will be installed into the vehicle and attached to the partition later in this install procedure.



**SMC WITH DOOR PLEASE SEE PDK2  
INSTALL INSTRUCTIONS THAT COMES WITH  
THAT KIT**



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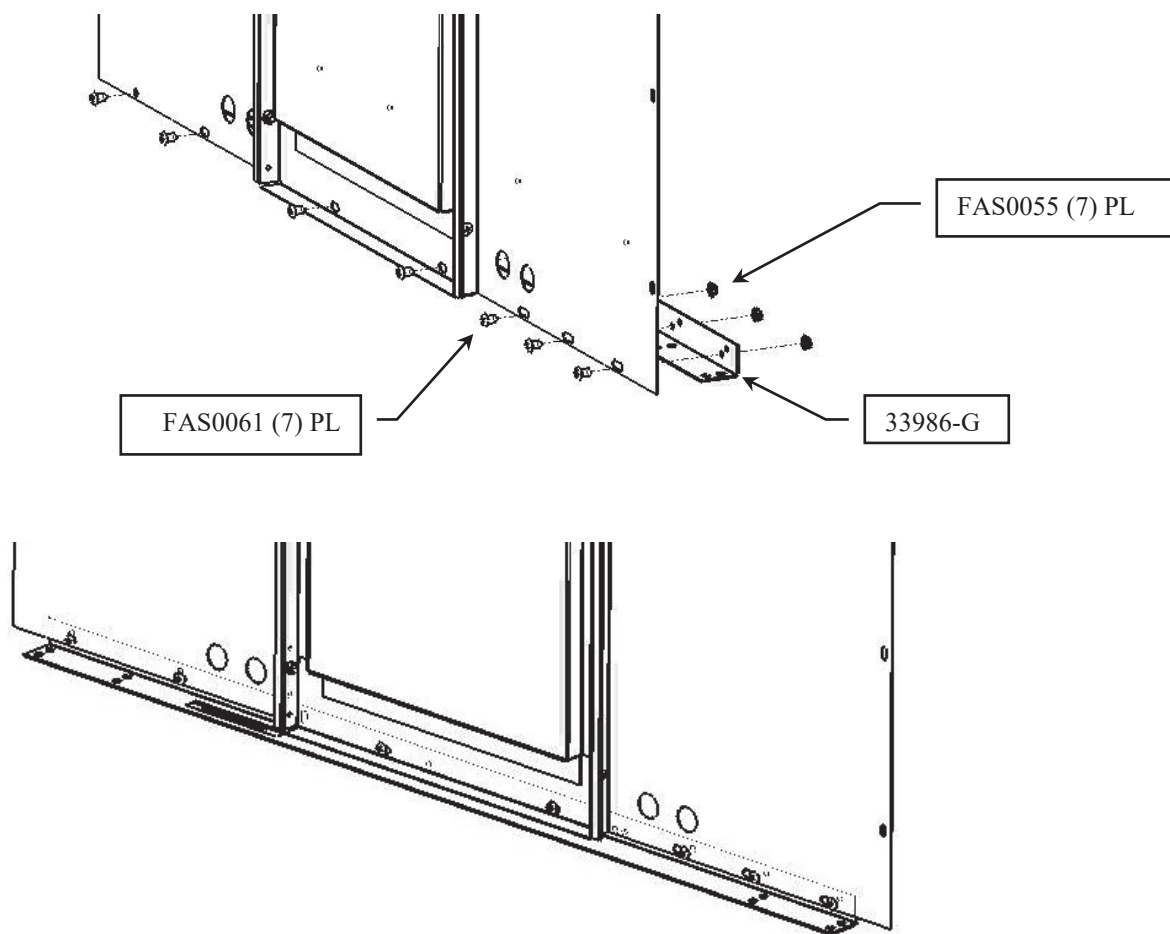
VAN AND PICKUP EQUIPMENT

## 2007 SPRINTER, STD & HIGH ROOF

**STEP – 04****SMC 2007 Sprinter Partition Assembly (cont.)**

Next attached the partition floor mounting rail bracket to the previously assembled SMC panels using (7) 1/4-20UNC x 1/2" Truss Hd Phillips screws and Hex Hd Nuts as shown in figures below. Be sure that the floor rail mounting bracket is orientated as shown in figures below prior to tightening screws to their recommended torque.

**NOTE: Do not install the (2) fastener positions in lower M panel if partition is to have a door**







**You have now completed assembly of the panels and the Floor Rail Mounting Bracket for the 2007 Sprinter High Roof “S-M-C” Partition (w/Fixed Center Panel).**



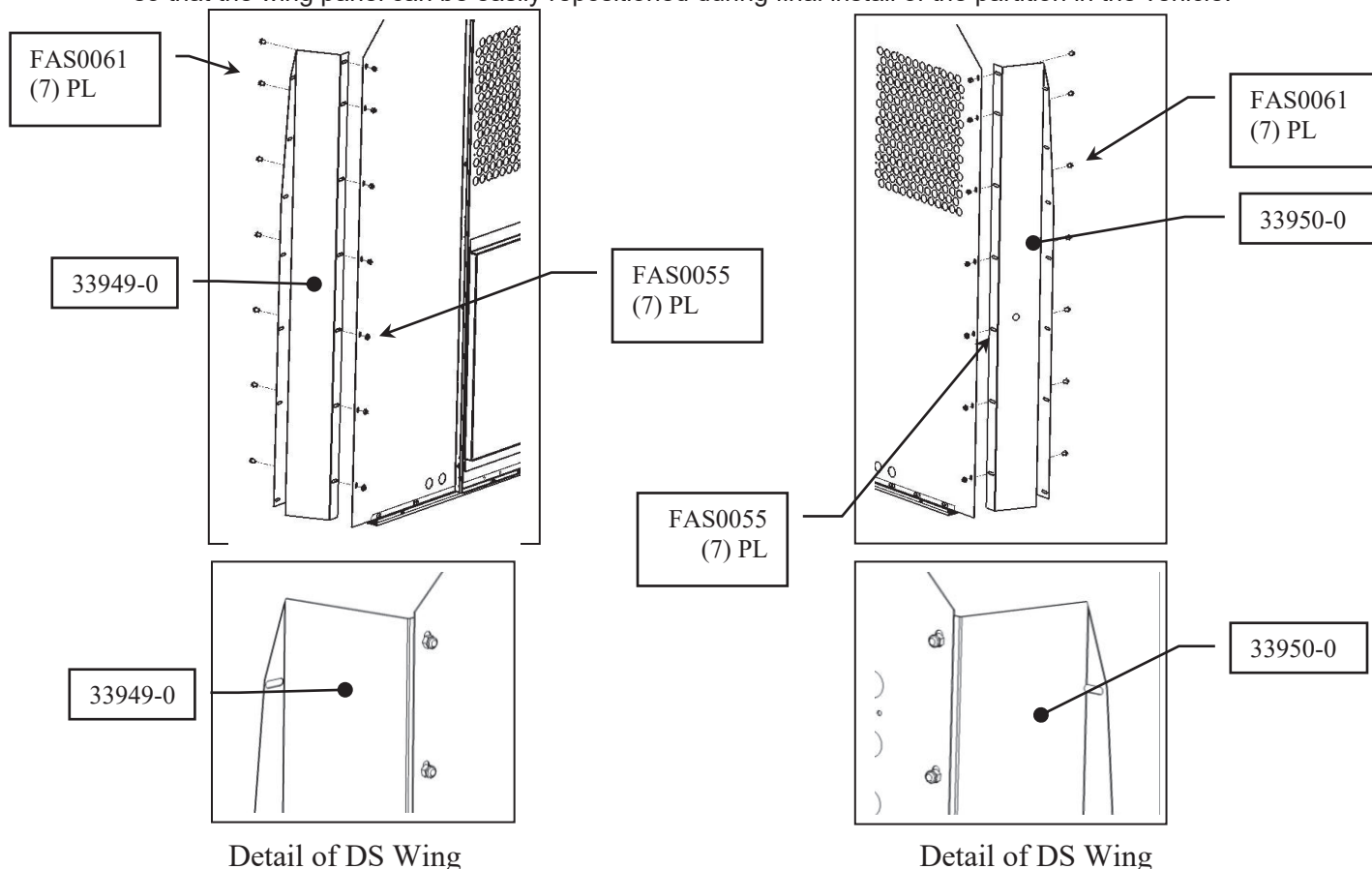


## STEP – 05A

## SMC Standard Roof Wing Panel Assembly

 <b>33949-0</b> Wing, Street, 07Spr, Std	 <b>33950-0</b> Wing, Curb, 07Spr, Std	 <b>FAS0061</b> Screw, THP, G5. 14-20UNC x 1/2" lg 14 req'd (8) FT-LBS Torque	 <b>FAS0055</b> Nut, Hex Flange Hd, 1/4-20UNC 14 req'd (8) FT-LBS Torque
--	--	---	--

Attach the Street and Curb Wings to the partition by positioning the 1" flange against the cab side of the "S" panel and "C" panel as shown in detail views below. The Truss Hd Phillips screws must be installed from the CAB SIDE of the partition. By installing the screws from the cab side it presents a smooth exposed screw head in the passenger "cab" area of the van. Do not tighten fasteners fully at this time, they must remain loose so that the wing panel can be easily repositioned during final install of the partition in the vehicle.







**You have now completed assembly of the wing panels for the 2007 Sprinter Standard Roof "S-M-C" Partition. Proceed to Step 07 on Page 12 to install the partition into your Sprinter Van.**

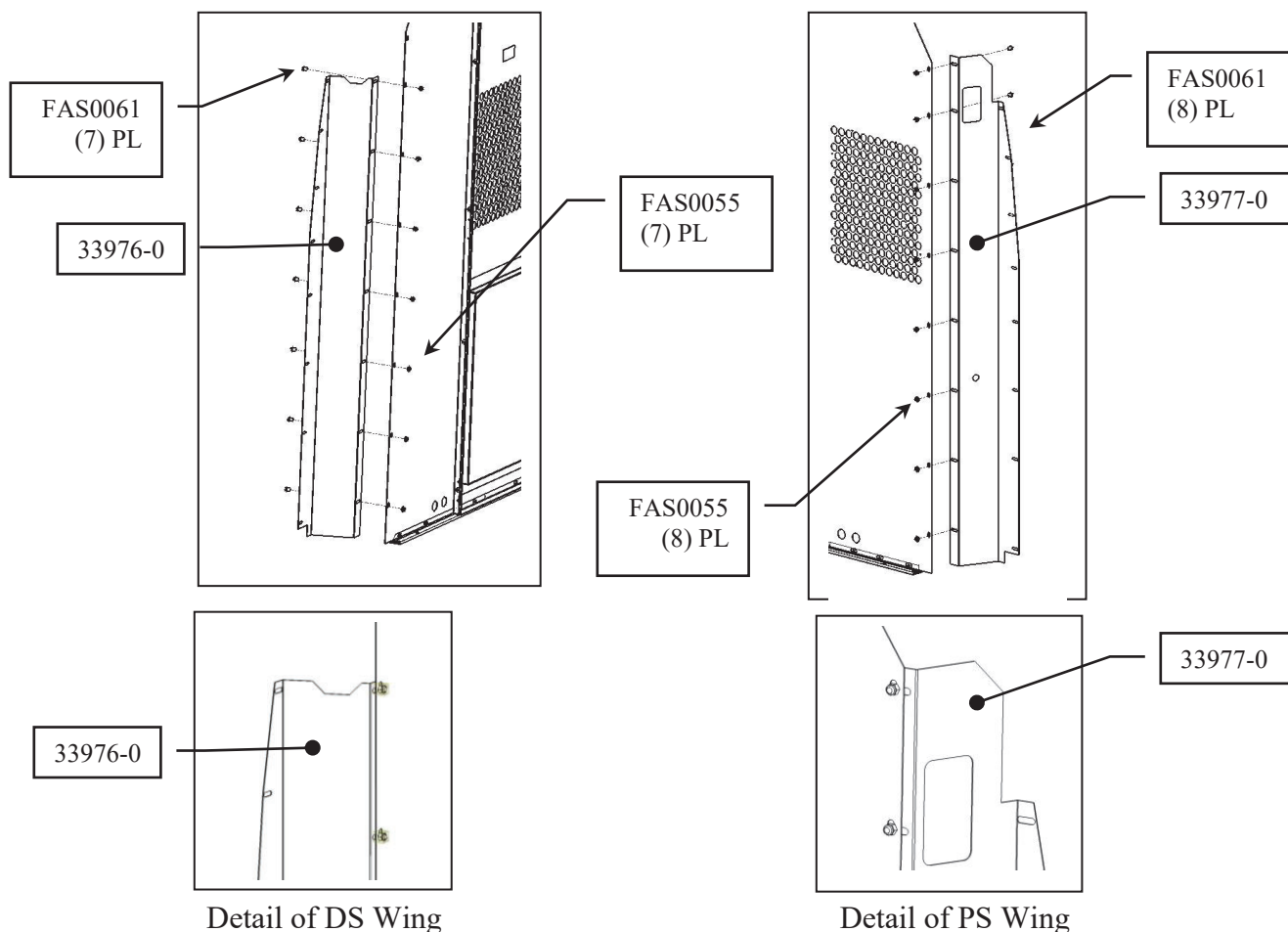


## STEP – 05B

## SMC HIGH Roof Wing Panel Assembly

 <p><b>33976-0</b> Wing, Street, 07Spr, High</p>	 <p><b>33977-0</b> Wing, Curb, 07Spr, High</p>	 <p><b>FAS0061</b> Screw, THP, G5. 14-20UNC x 1/2" lg 15 req'd (8) FT-LBS Torque</p>	 <p><b>FAS0055</b> Nut, Hex Flange Hd, 1/4-20UNC 15 req'd (8) FT-LBS Torque</p>
---	---	--	--

Attach the Street and Curb Wings to the partition by positioning the 1" flange against the cab side of the "S" panel and "C" panel as shown in detail views below. The Truss Hd Phillips screws must be installed from the CAB SIDE of the partition. By installing the screws from the cab side it presents a smooth exposed screw head in the passenger "cab" area of the van. Do not tighten fasteners fully at this time, they must remain loose so that the wing panel can be easily repositioned during final install of the partition in the vehicle.



**You have now completed assembly of the wing panels for the 2007 Sprinter High Roof "S-M-C" Partition. Proceed to Step 07 on Page 12 to install the partition into your Sprinter Van.**

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VAN AND PICKUP EQUIPMENT

# 2007 SPRINTER, STD & HIGH ROOF

**STEP – 06****PARTITION TO HEADER PANEL INSTALLATION****FAS0055**

Nut, Hex Flange  
Hrd Zn, 1/4-20UNC  
6-Required  
**8 FT-LBS TORQUE**

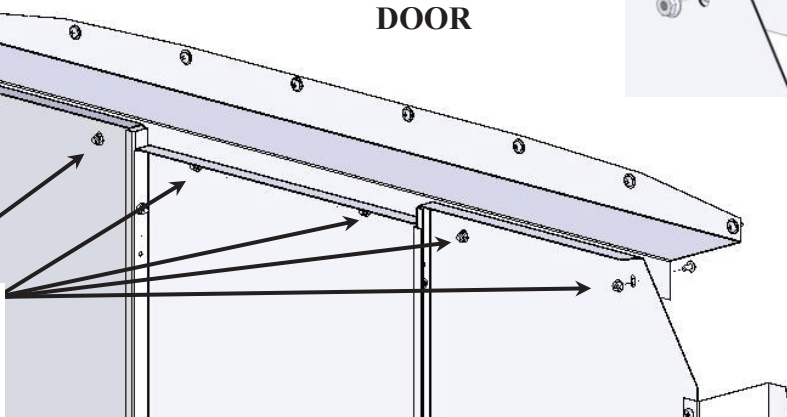
**FAS0061**

Screw, Truss Hd, Phillips,  
1/4-20UNC x 1/2", Grade 5  
6-Required  
**8 FT-LBS TORQUE**

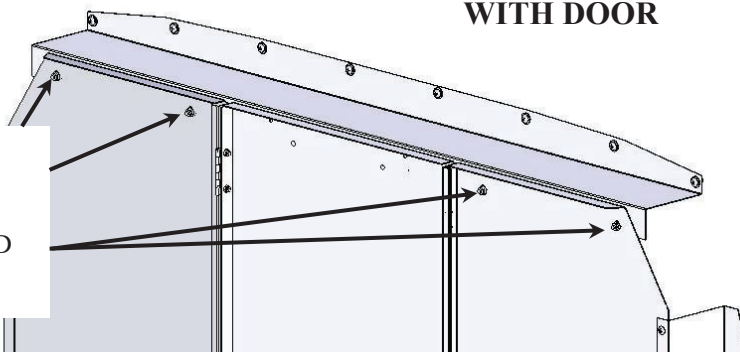
After the floor partition flange fasteners have been installed secure the partition to the header panel with the fasteners shown above. Install the screws through the header panel from the cab side and secure the hex flange nuts on the cargo side of the partition. Tighten the fasteners to 8 FT-LBS torque.

**WITHOUT  
DOOR**

SECURE PARTITION  
PANELS TO THE  
HEADER PANEL  
IN PLACES INDICATED  
(6) PL

**WITH DOOR**

SECURE PARTITION  
PANELS TO THE  
HEADER PANEL  
IN PLACES INDICATED  
(4) PL





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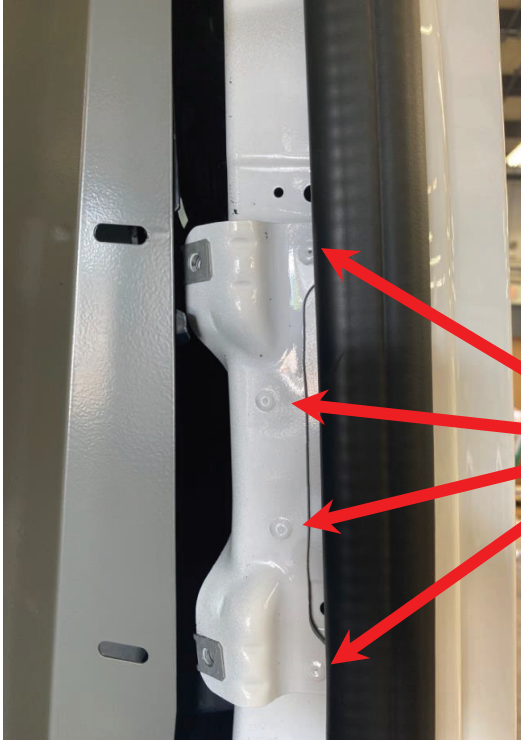
VAN AND PICKUP EQUIPMENT

## 2007 SPRINTER, STD & HIGH ROOF

### STEP – 07A

### PARTITION WINGS TO B-PILLAR INSTALLATION

**\*IF YOUR SPRINTER HAS THE OEM GRAB HANDLE OPTION, FOLLOW THIS STEP TO REMOVE THE MOUNT. IF NOT, SKIP TO STEP 08B.**



**DRILL OUT THESE (4) RIVETS TO REMOVE MOUNT AND DISCARD. PRY OFF OF ADHESION BACKING.**




**ONCE MOUNT IS REMOVED, THESE TWO MOUNTING HOLES CAN BE USED FOR WING.**



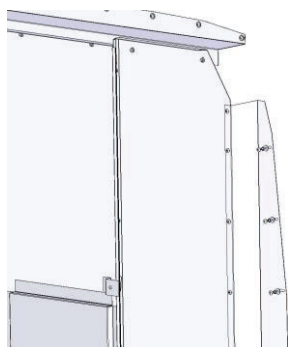
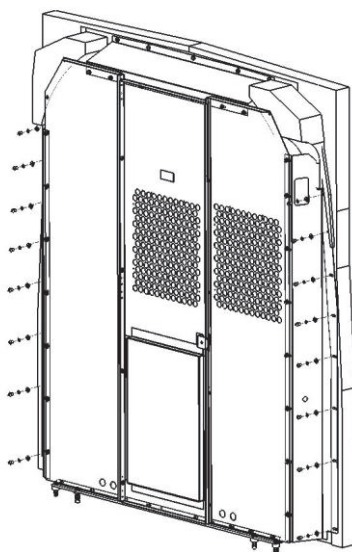
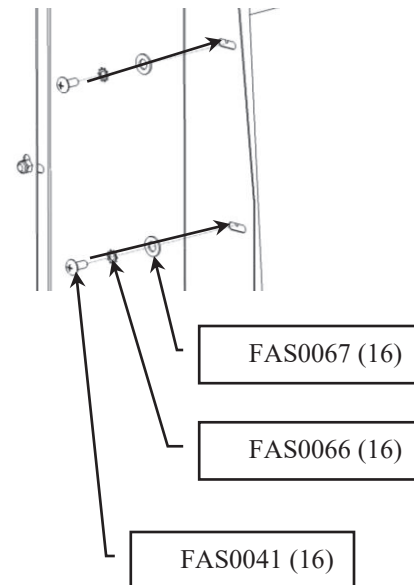
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VAN AND PICKUP EQUIPMENT

**2007 SPRINTER, STD & HIGH ROOF****STEP – 07B****PARTITION WINGS TO B-PILLAR INSTALLATION**

 <b>FAS0041</b> Screw, Truss Hd, Philips, #14-10 x3/4" lg 16-REQUIRED	 <b>FAS0066</b> Washer, Lock, Ext Tooth, 1/4" ID 16-REQUIRED	 <b>FAS0067</b> Washer, Flat, 1/4" ID 16-REQUIRED
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After the partition to header panel fasteners are tighten position the wing panels out toward the sides of the van as far as possible. There are existing holes in the B-pillar to mount the wings panels and each "S" and "C" panels have vertical slots to allow vertical wing panel adjustments. Adjust each street and curb wing panel (vertically & horizontally) as required to install fasteners into the "B" pillars and then tighten the fasteners securely in place.

**S1M1C1SPS  
SHOWN****S1M2C2SPH  
SHOWN**

**DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE  
SURE THAT ALL FASTENERS ARE TIGHTENED TO  
SPECIFICATIONS!**



**YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE  
VEHICLE FOR FUTURE REFERENCE!**